

10/531973

JC12 Rec'd PCT/PTC 28 APR 2005

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SEQUENCE LISTING

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Kitamura, Toshio

<120> MAST CELL-DERIVED MEMBRANE PROTEINS

<130> C1-A0229Y1P

<140> PCT/JP03/13921

<141> 2003-10-30

<150> JP 2002-316680

<151> 2002-10-30

<150> JP 2002-354165

<151> 2002-12-05

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<170> PatentIn version 3.1

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cctgccggt acccgtgtgt gggagaa atg acc caa ctg gcc tca gct gtg tgg 174

Met Thr Gln Leu Ala Ser Ala Val Trp

1 5

ctg ccc acg ctg ttg ctg ctg ctg ctt ttt tgg ctt cca ggc tgt 222

Leu Pro Thr Leu Leu Leu Leu Leu Leu Phe Trp Leu Pro Gly Cys

10 15 20 25

gtc cct ctg cat ggt ccc agc acc atg aca gga agt gtg ggt caa tcc 270

Val Pro Leu His Gly Pro Ser Thr Met Thr Gly Ser Val Gly Gln Ser

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ctg agt gtg tcg tgt cag tat gag gag aaa ttt aag act aag gac aaa 318

Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys Phe Lys Thr Lys Asp Lys

45 50 55

tac tgg tgc aga ggg tca ctt aag gta ctg tgc aaa gat att gtc aag	366		
Tyr Trp Cys Arg Gly Ser Leu Lys Val Leu Cys Lys Asp Ile Val Lys			
60	65	70	
acc agc agc tca gaa gaa gct agg agt ggc aga gtg acc atc agg gac	414		
Thr Ser Ser Ser Glu Glu Ala Arg Ser Gly Arg Val Thr Ile Arg Asp			
75	80	85	
cat cca gac aac ctc acc ttc aca gtg acc tat gag agc ctc acc ctg	462		
His Pro Asp Asn Leu Thr Phe Thr Val Thr Tyr Glu Ser Leu Thr Leu			
90	95	100	105
gat gat gca gac acc tac atg tgt gcg gtg gat ata cca ttt ttc aat	510		
Asp Asp Ala Asp Thr Tyr Met Cys Ala Val Asp Ile Pro Phe Phe Asn			
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Ala Pro Leu Gly Leu Asp Lys Tyr Phe Lys Ile Glu Leu Ser Val Val			
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cca agt gag gac cca gtt tca tct cca gga cca aca cta gag aca cct	606		
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Val Val Ser Thr Ser Leu Pro Thr Lys Gly Pro Ala Leu Gly Ser Asn

155 160 165

aca gag gac cgc cgt gag cat gac tat tcc cag ggc ttg agg ctc cca 702

Thr Glu Asp Arg Arg Glu His Asp Tyr Ser Gln Gly Leu Arg Leu Pro

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Ala Leu Leu Ser Val Leu Ala Leu Leu Leu Phe Leu Leu Val Gly Thr

190 195 200

tct ctg ctg gcc tgg agg atg ttc cag aag cgg ctg gtc aaa gct gat 798

Ser Leu Leu Ala Trp Arg Met Phe Gln Lys Arg Leu Val Lys Ala Asp

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agg cat cca gag ctg tcc cag aac ctc aga cag gct tct gag cag aat 846

Arg His Pro Glu Leu Ser Gln Asn Leu Arg Gln Ala Ser Glu Gln Asn

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gag tgc cag tat gtg aat ttg cag ctg cac acg tgg tct ctg agg gaa 894

Glu Cys Gln Tyr Val Asn Leu Gln Leu His Thr Trp Ser Leu Arg Glu

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Glu Pro Val Leu Pro Ser Gln Val Glu Val Val Glu Tyr Ser Thr Leu

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Gln Arg Gln Asp Ser His Ala Asn Gly Asp Ser Leu His Gln Pro Gln  
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Asp Gln Lys Ala Glu Tyr Ser Glu Ile Gln Lys Pro Arg Lys Gly Leu  
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Ser Asp Leu Tyr Leu  
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Leu Leu Leu Phe Trp Leu Pro Gly Cys Val Pro Leu His Gly Pro Ser

20

25

30

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Thr Met Thr Gly Ser Val Gly Gln Ser Leu Ser Val Ser Cys Gln Tyr

35 40 45

Glu Glu Lys Phe Lys Thr Lys Asp Lys Tyr Trp Cys Arg Gly Ser Leu

50 55 60

Lys Val Leu Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Ala

65 70 75 80

Arg Ser Gly Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe

85 90 95

Thr Val Thr Tyr Glu Ser Leu Thr Leu Asp Asp Ala Asp Thr Tyr Met

100 105 110

Cys Ala Val Asp Ile Pro Phe Phe Asn Ala Pro Leu Gly Leu Asp Lys

115 120 125

Tyr Phe Lys Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Ser

130 135 140

Ser Pro Gly Pro Thr Leu Glu Thr Pro Val Val Ser Thr Ser Leu Pro

145 150 155 160

Thr Lys Gly Pro Ala Leu Gly Ser Asn Thr Glu Asp Arg Arg Glu His

165 170 175

Asp Tyr Ser Gln Gly Leu Arg Leu Pro Ala Leu Leu Ser Val Leu Ala

180

185

190

Leu Leu Leu Phe Leu Leu Val Gly Thr Ser Leu Leu Ala Trp Arg Met

195

200

205

Phe Gln Lys Arg Leu Val Lys Ala Asp Arg His Pro Glu Leu Ser Gln

210

215

220

Asn Leu Arg Gln Ala Ser Glu Gln Asn Glu Cys Gln Tyr Val Asn Leu

225

230

235

240

Gln Leu His Thr Trp Ser Leu Arg Glu Glu Pro Val Leu Pro Ser Gln

245

250

255

Val Glu Val Val Glu Tyr Ser Thr Leu Ala Leu Pro Gln Glu Glu Leu

260

265

270

His Tyr Ser Ser Val Ala Phe Asn Ser Gln Arg Gln Asp Ser His Ala

275

280

285

Asn Gly Asp Ser Leu His Gln Pro Gln Asp Gln Lys Ala Glu Tyr Ser

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15

tct cag gtc cca ggc tgt gtc cca ctg cat ggc ccc agc act atc aca 96

Ser Gln Val Pro Gly Cys Val Pro Leu His Gly Pro Ser Thr Ile Thr

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ggc gct gtt ggg gaa tcg ctc agt gtg tca tgt caa tac gag gag aaa 144

Gly Ala Val Gly Glu Ser Leu Ser Val Cys Gln Tyr Glu Glu Lys

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10/14

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Phe Lys Thr Lys Asp Lys Phe Trp Cys Arg Gly Ser Leu Lys Val Leu

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Cys Lys Asp Ile Val Lys Thr Ser Ser Glu Glu Val Arg Asn Gly

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Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr

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90

95

tat gag agc ctc acc ctg gag gat gca gac acc tac atg tgt gcg gtg 336

Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val

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gat ata tca ctt ttt gat ggc tcc ttg ggg ttc gat aag tac ttc aag 384

Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys

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att gag ttg tct gtg gtt cca agt gag gac cca gtc aca ggt tcg agc 432

Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser

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Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly

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145

150

155

160

cac act cat ccc agt gtg acc aca gat gac aca att cct gct ccc tgc 528

His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys

165

170

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cct cag cct cgg tct ctt cgg agc agc ctc tac ttc tgg gtc ctg gtg 576

Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val

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tct ctg aag ttg ttc ctg ttc ctg agc atg ctt ggt gct gtc ctc tgg 624

Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp

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Tyr Glu Asn Gln

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Ser Gln Val Pro Gly Cys Val Pro Leu His Gly Pro Ser Thr Ile Thr

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25

30

Gly Ala Val Gly Glu Ser Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys

35

40

45

Phe Lys Thr Lys Asp Lys Phe Trp Cys Arg Gly Ser Leu Lys Val Leu

50

55

60

Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Val Arg Asn Gly

65

70

75

80

Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr

85

90

95

Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val

100

105

110

Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys

115

120

125

13/14

Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser

130

135

140

Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly

145

150

155

160

His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys

165

170

175

Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val

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Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp

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Val Asn Arg Pro Gln Arg Cys Ser Gly Gly Ser Ser Thr Gln Pro Cys

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Tyr Glu Asn Gln

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